

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"6515257".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/27 12:18
S1	1915	385/43,115,116,121.ccls.	USPAT	OR	OFF	2005/07/18 11:30
S2	765	S1 and taper\$4	USPAT	OR	OFF	2005/07/18 11:30
S3	256	S1 and (taper\$4 and bundl\$4)	USPAT	OR	OFF	2005/07/19 09:05
S4	22	S1 and (taper\$4 and bundl\$4 and cleav\$4)	USPAT	OR	OFF	2005/03/25 08:15
S5	40	S1 and (taper\$4 and bundl\$4 NEAR fuse\$4)	USPAT	OR	OFF	2005/03/25 09:36
S6	0	S5 and (cleav\$4 NEAR (perpendicular or normal))	USPAT	OR	OFF	2005/03/25 09:37
S7	0	S5 and (cleav\$4 NEAR normal)	USPAT	OR	OFF	2005/03/25 09:37
S8	0	S5 and (cleav\$4 NEAR perpendicular)	USPAT	OR	OFF	2005/03/25 09:37
S9	17	S5 and perpendicular	USPAT	OR	OFF	2005/03/25 10:43
S10	1	S5 and (glass NEar matrix)	USPAT	OR	OFF	2005/03/25 10:43
S11	2	"5303373".pn.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/07/18 14:05
S12	2	"6477301".pn.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/07/18 11:14
S13	3	"3912362".pn.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/07/18 11:14
S14	2207	385/43,115,116,121.ccls.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/18 12:55
S15	18	S14 and (((taper or tapered or tapering) near2 (fiber or fibers or bundle or bundles)) with ((unfused or separate or detach or detachable or detached or detaching or separates or separating or separated or unfuse or free or uncoupled or uncouple or uncoupling or independent or loose or solitary) near2 (end or terminus or termination or terminal or boundry or input or output or outputs or inputs or terminals or fiber or fibers)))	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/18 11:47

## EAST Search History

S16	23	S14 and (((taper or tapered or tapering) near3 (fiber or fibers or bundle or bundles)) with ((unfused or separate or detach or detachable or detached or detaching or separates or separating or separated or unfuse or free or uncoupled or uncouple or uncoupling or independent or loose or solitary) near3 (end or terminus or termination or terminal or boundry or input or output or outputs or inputs or terminals or fiber or fibers)))	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/18 13:02
S17	53	Bruesselbach.in.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/07/18 11:58
S18	0	"4115940".ccls.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/18 12:55
S19	3	"4115940".pn.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/18 12:55
S20	1	"3190735".pn.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/18 12:56
S21	2	"4076978".pn.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/18 12:56
S22	185	S14 and (((taper or tapered or tapering) near3 (fiber or fibers or bundle or bundles)) and ((unfused or separate or detach or detachable or detached or detaching or separates or separating or separated or unfuse or free or uncoupled or uncouple or uncoupling or independent or loose or solitary) near3 (end or terminus or termination or terminal or boundry or input or output or outputs or inputs or terminals or fiber or fibers)))	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/18 13:13
S23	0	"10893105".pn.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/18 13:13
S24	0	"10893105".pran.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/18 13:13

## EAST Search History

S25	0	"10/893105".pran.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/18 13:15
S26	2	"5396506".pn.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/18 13:16
S27	2	"5936980".pn.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/18 13:17
S28	2	"4932747".pn.	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/18 13:17
S29	2	"6827500".pn.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/07/18 14:05
S30	14	("20030021547"   "5032718"   "5346583"   "5394493"   "5521996"   "5550942"   "5566262"   "5675680"   "6078714"   "6328482"   "6396995"   "6478606"   "6587618"   "6595698").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/18 14:10
S31	0	("6827500").URPN.	USPAT	OR	ON	2005/07/18 14:11
S32	19	("3190735"   "3204326"   "3626040"   "3874783"   "3933556"   "4026693"   "4076978"   "4099833"   "4175940"   "4758064"   "4911528"   "4952022"   "5011557"   "5030265"   "5045100"   "5066087"   "5077820").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/18 14:12
S33	35683	"385"/\$.ccls.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/07/19 08:22
S34	14	S33 and (((stretch or stretching or stretched or elongate or elongated or elongation or elongating or draw or drawing or drawn or pull or pulling or pulled or extend or extending or extension or extended) near2 (fiber or bundle or waveguide)) with ((couple or coupling or correlation or correlate or correlated) near4 (desired or desire or desiring or need or needed or required or require or requires or needs or desires or needing or requiring)))	US-PGPUB; USPAT; DERWENT	OR	ON	2005/07/19 08:29

## EAST Search History

S35	20	S33 and (((stretch or stretching or stretched or elongate or elongated or elongation or elongating or draw or drawing or drawn or pull or pulling or pulled or extend or extending or extension or extended or fuse or fusing or fused) near2 (fiber or bundle or waveguide)) with ((couple or coupling or correlation or correlate or correlated) near4 (desired or desire or desiring or need or needed or required or require or requires or needs or desires or needing or requiring)))	US-PGPUB; USPAT; DERWENT	OR	ON	2005/07/19 08:30
S36	6	("4723824"   "4738511"   "4755037"   "4772085"   "4779945"   "4786130").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/19 08:43
S37	3	("5150439").URPN.	USPAT	OR	ON	2005/07/19 08:43
S38	2	"5303373".pn.	US-PGPUB; USPAT; DERWENT	OR	ON	2005/07/19 08:46
S39	16	S33 and (((fiber or fibers or waveguide or waveguides) near2 (bundle or bundles or bundling or gather or gathering or gathered or grouped or grouping or group)) with ((fuse or fusing or fused or melt or melting or melted or heat or heated or heating) near2 (fiber or fibers or waveguide or waveguides)) with ((taper or tapering or tapered or draw or drawing or drawn) near3 (fiber or fibers or waveguide or waveguides)) and ((input or inputs or output or outputs or ends or end or fibers or fiber or bundle or bundles or terminals or terminus or termination) near5 (free or detach or detachable or detaching or detached or loose or loosened or loosen or uncouple or uncoupled or disconnected or disconnecting or disconnects or disconnect)))	USPAT	OR	OFF	2005/07/19 09:23

## EAST Search History

S40	0	(((fiber or fibers or waveguide or waveguides) near2 (bundle or bundles or bundling or gather or gathering or gathered or grouped or grouping or group)) with ((fuse or fusing or fused or melt or melting or melted or heat or heated or heating) near2 (fiber or fibers or waveguide or waveguides)) with (((taper or tapering or tapered ) and (draw or drawing or drawn)) near3 (fiber or fibers or waveguide or waveguides)) with ((input or inputs or output or outputs or ends or end or fibers or fiber or bundle or bundles or terminals or terminus or termination) near5 (free or detach or detachable or detaching or detached or loose or loosened or loosen or uncouple or uncoupled or disconnected or disconnecting or disconnects or disconnect)))	USPAT	OR	OFF	2005/07/19 09:24
S41	0	(((fiber or fibers or waveguide or waveguides) near5 (bundle or bundles or bundling or gather or gathering or gathered or grouped or grouping or group)) with ((fuse or fusing or fused or melt or melting or melted or heat or heated or heating) near5 (fiber or fibers or waveguide or waveguides)) with (((taper or tapering or tapered ) and (draw or drawing or drawn)) near5 (fiber or fibers or waveguide or waveguides)) with ((input or inputs or output or outputs or ends or end or fibers or fiber or bundle or bundles or terminals or terminus or termination) near5 (free or detach or detachable or detaching or detached or loose or loosened or loosen or uncouple or uncoupled or disconnected or disconnecting or disconnects or disconnect)))	USPAT	OR	OFF	2005/07/19 09:25

## EAST Search History

S42	2	<p>(((fiber or fibers or waveguide or waveguides) near5 (bundle or bundles or bundling or gather or gathering or gathered or grouped or grouping or group)) with ((fuse or fusing or fused or melt or melting or melted or heat or heated or heating) near5 (fiber or fibers or waveguide or waveguides)) with (((taper or tapering or tapered )) near5 (fiber or fibers or waveguide or waveguides)) with ((input or inputs or output or outputs or ends or end or fibers or fiber or bundle or bundles or terminals or terminus or termination) near5 (free or detach or detachable or detaching or detached or loose or loosened or loosen or uncouple or uncoupled or disconnected or disconnecting or disconnects or disconnect)))</p>	USPAT	OR	OFF	2005/07/19 09:25
S43	3	<p>(((fiber or fibers or waveguide or waveguides) near5 (bundle or bundles or bundling or gather or gathering or gathered or grouped or grouping or group)) with ((fuse or fusing or fused or melt or melting or melted or heat or heated or heating) near5 (fiber or fibers or waveguide or waveguides)) with (((taper or tapering or tapered )) near5 (fiber or fibers or waveguide or waveguides)) with ((input or inputs or output or outputs or ends or end or fibers or fiber or bundle or bundles or terminals or terminus or termination) near5 (free or detach or detachable or detaching or detached or loose or loosened or loosen or uncouple or uncoupled or disconnected or disconnecting or disconnects or disconnect)))</p>	US-PGPUB; USPAT; DERWENT	OR	OFF	2005/07/19 09:25
S44	3	("5045100").URPN.	USPAT	OR	ON	2005/07/19 09:28
S45	12	<p>("3204326"   "3224851"   "3455625"   "3681164"   "3849219"   "3933455"   "3966447"   "4116655").PN.</p>	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/19 09:28
S46	11	<p>("3917383"   "4203650"   "4291940"   "4330170"   "4355863"   "4439221"   "4449781"   "4591372"   "4653845"   "4709981"   "4915469").PN.</p>	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/19 09:30

## EAST Search History

S47	11	("5175782").URPN.	USPAT	OR	ON	2005/07/19 09:30
S48	3	("5150439").URPN.	USPAT	OR	ON	2005/07/19 09:32
S49	6,	("4723824"   "4738511"   "4755037"   "4772085"   "4779945"   "4786130").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/19 09:32
S50	11	("5058979"   "5408555"   "5491764"   "5652819"   "5809190"   "5949936"   "5956441"   "5987201"   "6148129"   "6169830"   "RE33296").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/19 09:32
S51	4	("6363190").URPN.	USPAT	OR	ON	2005/07/19 11:01
S52	1	"4932747".pn.	USPAT	OR	ON	2005/07/19 11:01
S53	2213	(optical adj fiber) and ((stretching or stretch or lengthening or lengthens or stretches or stretched or elongate or elongation or elongates or elongated) same (coupling))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/28 10:22
S54	575	(optical adj fiber) and ((stretching or stretch or lengthening or lengthens or stretches or stretched or elongate or elongation or elongates or elongated) near5 (coupling))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/27 14:55
S55	290	S54 and "385"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/27 14:58
S56	113	S54 and "385"/\$.ccls. and (fiber near5 (tapered or taper or tapers or tapering))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/27 14:59
S57	12	(US-20050163443-\$ or US-20030123801-\$).did. or (US-4687284-\$ or US-5809190-\$ or US-5987201-\$ or US-6212318-\$ or US-6885787-\$ or US-6862386-\$ or US-6603903-\$ or US-6498879-\$ or US-6134362-\$ or US-5881189-\$). did.	US-PGPUB; USPAT	OR	ON	2005/12/27 15:13
S58	0	S57 and ((detachable or detached or seperable or seperate) near5 (output or outputs or input or inputs or end or ends or terminus or termini))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/27 15:14

## EAST Search History

S59	4	S57 and (fuse or fused) and (facet or cleave or cleaving or cutting or cut or cuts or cleaves) and (single near2 mode)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/27 15:16
S60	12	(US-20050163443-\$ or US-20030123801-\$).did. or (US-4687284-\$ or US-5809190-\$ or US-5987201-\$ or US-6212318-\$ or US-6885787-\$ or US-6862386-\$ or US-6603903-\$ or US-6498879-\$ or US-6134362-\$ or US-5881189-\$). did.	US-PGPUB; USPAT	OR	ON	2005/12/27 16:03
S61	0	S60 and facet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/27 16:04
S62	9	FBT and facet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/27 16:06
S63	0	(fused near4 biconical near5 taper) and facet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/27 16:07
S64	0	(fused near4 biconical near5 taper) and facet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/27 16:07
S65	6	(fused near4 biconical near5 taper) and (cleave or cleaving or cleaved or cut or cutting or cuts) near4 (input or output or end or ends)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/27 16:07
S66	8	("4367013"   "4385802"   "4504297"   "4900119"   "5113470"   "5522007"   "6416800"   "6463684").PN. OR ("6885787").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/27 16:19
S67	11	("4291940"   "4426215"   "4449781"   "5339374"   "5864644").PN. OR ("6134362").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/27 16:43
S68	1	"5303373".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/27 16:43

## EAST Search History

S69	0	(optical adj fiber) and ((stretching or stretch or lengthening or lengthens or stretches or stretched or elongate or elongation or elongates or elongated) same ((desireable or desired or wanted or preferred) near3 coupling))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/28 10:24
S70	7	(optical adj fiber) and ((stretching or stretch or lengthening or lengthens or stretches or stretched or elongate or elongation or elongates or elongated) same ((desirable or desired or wanted or preferred) near6 coupling))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/28 10:27
S71	77	(optical adj fiber) and ((stretching or stretch or lengthening or lengthens or stretches or stretched or elongate or elongation or elongates or elongated) same ((predetermined or desirable or desired or wanted or preferred) near6 coupling))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/28 10:27
S72	70	S71 not S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/28 10:31
S73	0	S72 and ((SMF or (single near2 mode)) same ((taper or tapered or tapering or tapers) and (polishing or polished or polish or polishes) and (cleaving or cleave or cut or cutting or cleaves or cleaved or cuts OR sever or severs or severed) and (fuse or fused or fuses)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/28 10:30
S74	16	(US-20050163443-\$ or US-20030123801-\$).did. or (US-4687284-\$ or US-5809190-\$ or US-5987201-\$ or US-6212318-\$ or US-6885787-\$ or US-6862386-\$ or US-6603903-\$ or US-6498879-\$ or US-6134362-\$ or US-5881189-\$ or US-6434302-\$ or US-6363190-\$ or US-5058979-\$ or US-4948217-\$). did.	US-PGPUB; USPAT	OR	ON	2005/12/28 10:35
S75	13	S74 and ((single near2 mode) or SMF)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/28 10:37

## EAST Search History

S76	6	S75 and (cleave or cleaved or cleaving or cut or cutting or cleaves or cuts)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/28 10:42
S77	2	"4932747".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/28 10:42
S78	45	("3590248"   "3600568"   "3825336"   "3926501"   "3933455"   "4272156"   "4360372"   "4464705"   "4530565"   "4656562"   "4698084"   "4744615"   "4787013"   "4812010").PN. OR ("4932747").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/28 10:42
S79	20	("3808549"   "4291940"   "4815079"   "4820010"   "5170458"   "5263036"   "5268978"   "5355426"   "5459804"   "5553179"   "5864644"   "6134362").PN. OR ("6434302").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/28 11:13
S80	11	("4291940"   "4426215"   "4449781"   "5339374"   "5864644").PN. OR ("6134362").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/28 11:07
S81	20	("3808549"   "4291940"   "4815079"   "4820010"   "5170458"   "5263036"   "5268978"   "5355426"   "5459804"   "5553179"   "5864644"   "6134362").PN. OR ("6434302").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/28 11:13
S82	735	"385"/\$.ccls. and ((taper or tapering or tapered) same (cleave or cleaved or cleaves or cut or cuts))	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/28 11:15
S83	4	S71 and S82	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/28 11:14
S84	161	S82 and (fiber near2 bundle)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/28 11:15
S85	105	S82 and ((tapering or tapered or tapers or taper) same (fiber near2 bundle))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/28 11:16

## EAST Search History

S86	45	("3590248"   "3600568"   "3825336"   "3926501"   "3933455"   "4272156"   "4360372"   "4464705"   "4530565"   "4656562"   "4698084"   "4744615"   "4787013"   "4812010").PN. OR ("4932747").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/28 11:17
S87	11	("4291940"   "4426215"   "4449781"   "5339374"   "5864644").PN. OR ("6134362").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/28 11:56
S88	52	Harootian	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/28 11:56
S89	10	S88 and taper	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/28 13:15
S90	7	"6134362"	US-PGPUB; USPAT; USOCR	OR	ON	2005/12/28 13:16
S91	2	"6515257".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/12/28 13:17